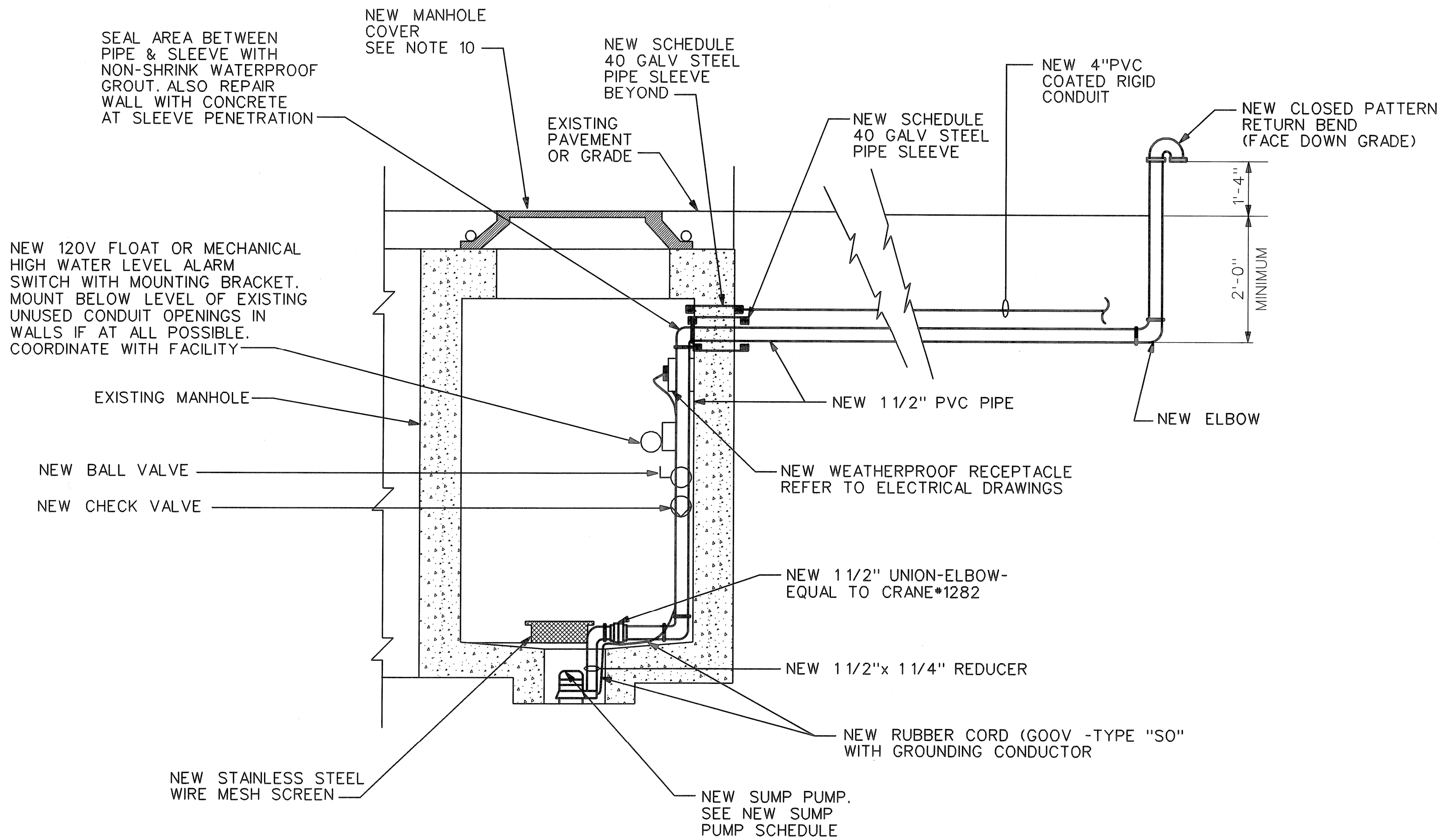
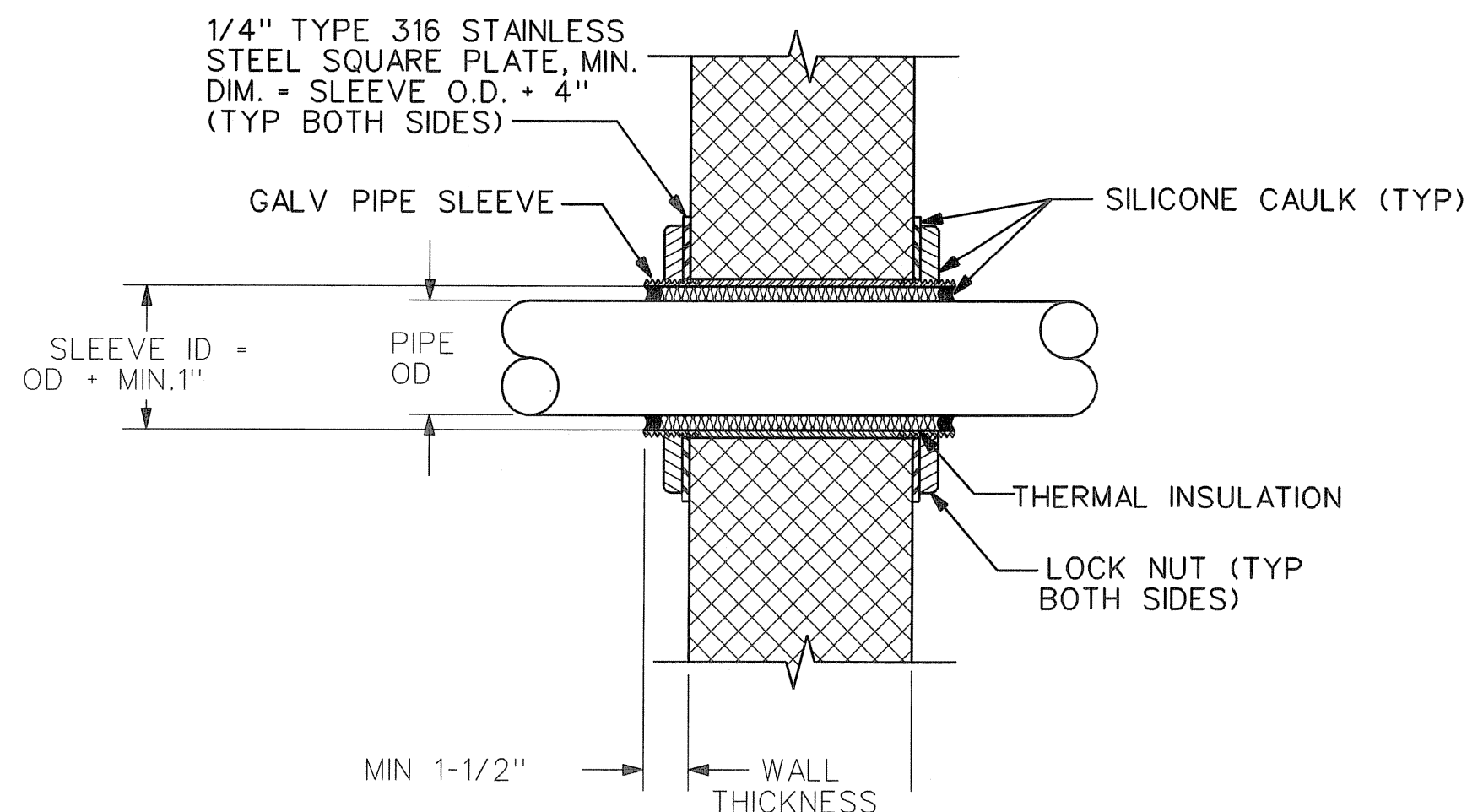


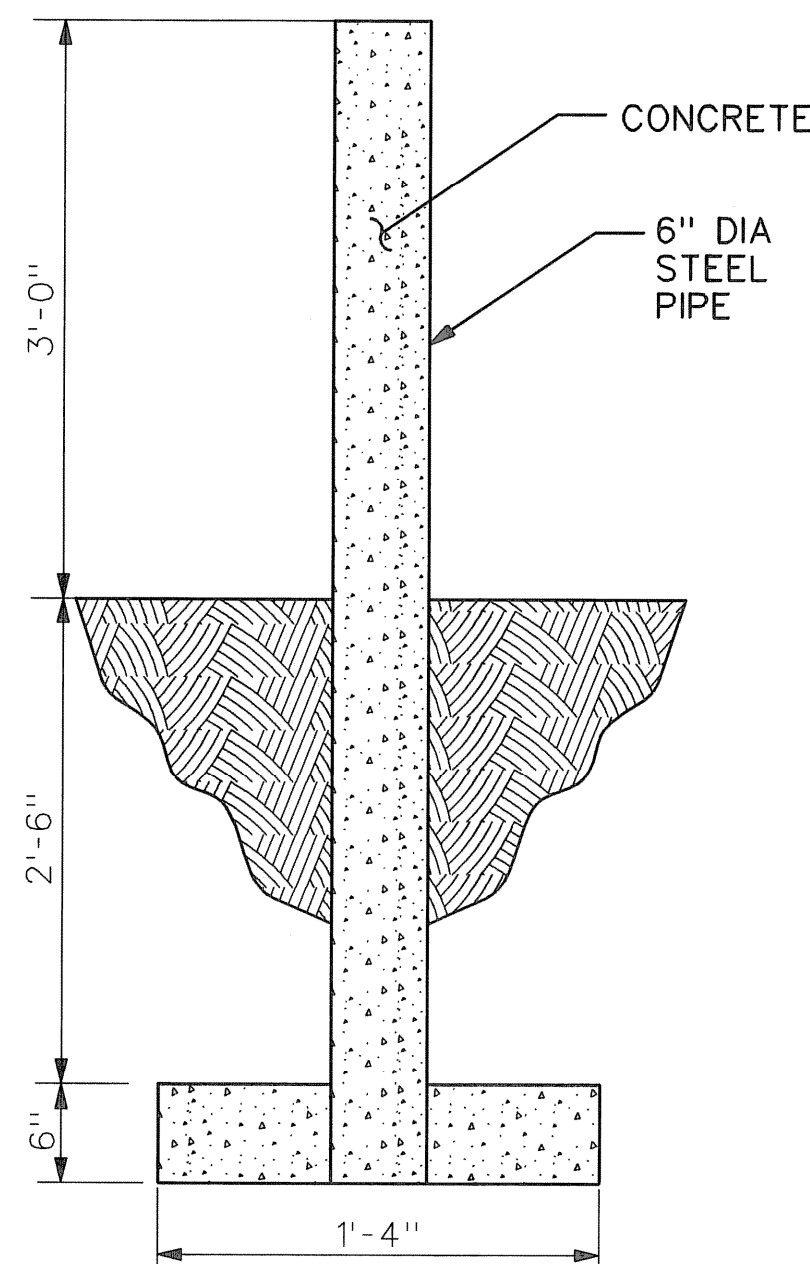
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1 **DETAIL SUMP PUMP INSTALLATION**
M01 NOT TO SCALE



2 **WALL SLEEVE**
M01 NOT TO SCALE



3 **BOLLARD DETAIL**
M01 NOT TO SCALE

NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES. WORK MUST BE CONFORM TO DIVISION 15 AS APPLICABLE OF THE FEDERAL AVIATION ADMINISTRATION PROJECT SPECIFIC CONSTRUCTION SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. CONTRACTOR SHALL EXERCISE CAUTION DURING SITE FABRICATIONS AND INSTALLATION TO INSURE NO INTERFERENCE WITH OPERATIONS OR OPERATING EQUIPMENT. ANY WORK TO BE COMPLETED IN THE CONCURRENT WORK AREAS TO BE FULLY COORDINATED WITH THE RESIDENT ENGINEER (RE) PRIOR TO BEGINNING WORK. ALL WORK PERFORMED IS TO BE ISOLATED AS NO DUST, DEBRIS AND VAPORS, ETC. ENTER OPERATING SPACES.
3. EQUIPMENT SHALL BE AS SCHEDULED ON DRAWINGS. WHERE ACCEPTABLE, ALTERNATIVE MANUFACTURES ARE LISTED IN THE SPECIFICATION. EQUIPMENT SHALL BE EQUAL QUALITY AND CAPACITY AS THE EQUIPMENT SCHEDULED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ARRANGEMENT CHANGES REQUIRED TO ACCOMMODATE USE OF ALTERNATE EQUIPMENT.
4. CONTRACTOR SHALL FURNISH AND INSTALL NEW SUMP PUMPS, PVC PIPING, PIPE SLEEVES, VALVES, UNIONS, ELBOWS, STAINLESS STEEL WIRE MESH SCREENS AND FLOAT SWITCHES AS INDICATED ON DETAIL 1/M01.
5. CONTRACTOR SHALL VERIFY AND COORDINATE EXACT LOCATIONS AND DIMENSIONS OF EXISTING WORK AND REPORT ANY CONFLICT WITH THE COR. COORDINATE DIMENSIONS OF MANHOLE AND PIPING AS SHOWN ON DRAWING ZJX-D-A622533-C03 AND C04.
6. FURNISH AND INSTALL BOLLARDS TO PROTECT THE GOOSE NECK OF SUMP PUMP DISCHARGE AS SHOWN ON DETAIL 3/M01. BOLLARD POSTS SHALL BE PAINTED WITH TWO COATS OF RUST-OLEUM NO 769 DAMPED-PROOF YELLOW PRIMERS OR EQUAL PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL SEAL ALL EXISTING CONDUIT AND PIPING PENETRATIONS INSIDE THE MANHOLE WITH DOW CORNING 795 SILICON OR EQUAL.
8. FURNISH AND INSTALL WEATHERPROOF RECEPTACLE WITH CIRCUIT BREAKER INSTALLED IN THE MANHOLE ABOVE THE SUMP PUMP. REFER TO ELECTRICAL DRAWINGS FOR WIRING INFORMATION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COORDINATION WITH THE OTHER TRADES AFFECTING HIS OR HER WORK.
10. THE CONTRACTOR SHALL INSTALL AT EACH MANHOLE AN 18 INCH GAUGE 304 SS IN FLOW COVER, IT SHALL INCLUDE A GAS RELIEF VALVE THAT RELEASES PRESSURE OF 0.5 TO 1.5 PSI AND A LEAK DOWN RATE NOT EXCEEDING 5 GALLON PER 24 HOURS. IT SHALL ALSO INCLUDE A 1" NYLON WEBBED HANDLE SECURED WITH SS RIVETS AND WASHERS AND BOTTOM EDGE SHALL HAVE CLOSED-CELL NEOPRENE GASKET. KNOWN SOURCE: USA BLUE BOOK FOR SS IN FLOW COVERS.
11. PUMP EQUAL TO DAYTON MODEL 3BB82, PORTABLE SUBMERSIBLE TYPE WITH AUTOMATIC VERTICAL MECHANICAL FLOAT SWITCH.

NEW SUMP PUMP SCHEDULE

MARK	LOCATION	SERVES	GPM	ELECTRICAL	FT.HD	NOTES
SP-1	EMH-A	STORM DRAIN	20	1/2 HP, 120V	30	SEE NOTE 11
SP-2	EMH-B	STORM DRAIN	20	1/2 HP, 120V	30	SEE NOTE 11
SP-3	EMH-D	STORM DRAIN	20	1/2 HP, 120V	30	SEE NOTE 11
SP-4	EMH-E	STORM DRAIN	20	1/2 HP, 120V	30	SEE NOTE 11
SP-5	EMH-I	STORM DRAIN	20	1/2 HP, 120V	30	SEE NOTE 11

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS EASTERN SERVICE AREA ARTCC MANHOLES SUMP PUMPS REPLACEMENT PROJECT SUMP PUMP DETAILS HILLIARD JACKSONVILLE CENTER FL REVIEWED BY SUBMITTED BY APPROVED BY PROJECT ENGINEER MGR: ENGINEERING - ATLANTA DESIGNED DATE 02/15/2009 JCN A622533 DRAWN AT ENGINEERING SERVICES ENROUTE/FSS DRAWING NO ZJX-D-A622533-M01 CHECKED					